

**AMENDMENTS TO THE CLAIMS**

Please amend the claims as follows.

1. (Currently Amended) A method of addressing an entry in a directory server, comprising:  
generating a unique identifier for the entry;  
creating an encoded address by encoding the unique identifier into a distinguished name; and  
specifying the entry using the encoded address for a plurality of operations[[]],  
wherein generating the unique identifier comprises a single-threaded generation algorithm  
and a multi-threaded generation algorithm.
2. (Original) The method of claim 1, wherein the unique identifier comprises a multi-bit number having a first octet set to an identifier type and a plurality of remaining bits set to an identifier.
3. (Original) The method of claim 1, wherein the unique identifier comprises a multi-bit number having a first octet set to zero and a plurality of remaining octets set to an identifier generated in accordance with a unique identifier specification.
4. (Original) The method of claim 1, wherein generating the unique identifier is time-based ~~comprising a single threaded generation algorithm and a multi threaded generation algorithm.~~
5. (Original) The method of claim 4, wherein the multi-threaded generation comprises an update task and a generator task.
6. (Original) The method of claim 1, wherein generating the unique identifier is name-based.
7. (Original) The method of claim 1, wherein generating the unique identifier is random-based.
8. (Currently Amended) A method of addressing an entry in a directory server, comprising:  
generating a unique identifier for the entry;  
creating an encoded address by encoding the unique identifier into a control; and  
specifying the entry using the encoded address for a plurality of operations[[]],

wherein generating the unique identifier comprises a single-threaded generation algorithm and a multi-threaded generation algorithm.

9. (Original) The method of claim 8, wherein the unique identifier comprises a multi-bit number having a first octet set to an identifier type and a plurality of remaining bits set to an identifier.
10. (Original) The method of claim 8, wherein the unique identifier comprises a multi-bit number having a first octet set to zero and a plurality of remaining octets set to an identifier generated in accordance with a unique identifier specification.
11. (Original) The method of claim 1, wherein generating the unique identifier is time-based ~~comprising a single threaded generation algorithm and a multi-threaded generation algorithm.~~
12. (Original) The method of claim 11, wherein the multi-threaded generation comprises an update task and a generator task.
13. (Original) The method of claim 8, wherein generating the unique identifier is name-based.
14. (Original) The method of claim 8, wherein generating the unique identifier is random-based.
15. (Currently Amended) A unique identifier-based addressing system for a directory server, comprising:
  - a unique identifier generated for an entry; and
  - an encoded address created by encoding the unique identifier into a distinguished name;wherein the entry is specified using the encoded address for a plurality of operations[[]],  
wherein generating the unique identifier comprises a single-threaded generation algorithm and a multi-threaded generation algorithm.
16. (Original) The system of claim 15, wherein the unique identifier comprises a multi-bit number having a first octet set to an identifier type and a plurality of remaining bits set to an identifier.

17. (Original) The system of claim 15, wherein the unique identifier comprises a multi-bit number having a first octet set to zero and a plurality of remaining octets set to an identifier generated in accordance with a unique identifier specification.
18. (Currently Amended) A unique identifier-based addressing system for a directory server, comprising:
  - a unique identifier generated for an entry; and
  - an encoded address created by encoding the unique identifier into a control;wherein the entry is specified using the encoded address for a plurality of operations[[.]],  
wherein generating the unique identifier comprises a single-threaded generation algorithm and a multi-threaded generation algorithm.
19. (Original) The system of claim 18, wherein the unique identifier comprises a multi-bit number having a first octet set to an identifier type and a plurality of remaining bits set to an identifier.
20. (Original) The system of claim 18, wherein the unique identifier comprises a multi-bit number having a first octet set to zero and a plurality of remaining octets set to an identifier generated in accordance with a unique identifier specification.
21. (Currently Amended) A unique identifier-based addressing system for a directory server, comprising:
  - means for generating a unique identifier for an entry;
  - means for creating an encoded address by encoding the unique identifier with a control; and
  - means for specifying the entry using the encoded address for a plurality of operations[[.]],wherein generating the unique identifier comprises a single-threaded generation algorithm and a multi-threaded generation algorithm.

22. (Currently Amended) A unique identifier-based addressing system for a directory server, comprising:

means for generating a unique identifier for an entry;

means for creating an encoded address by encoding the unique identifier into a distinguished name; and

means for specifying the entry using the encoded address for a plurality of operations[[]],

wherein generating the unique identifier is time-based comprising a single-threaded generation algorithm and a multi-threaded generation algorithm.